

A Newly Recorded Species of the Genus *Euryopsis* (Araneae: Theridiidae) from Japan

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吉田 哉¹⁾: 日本産ヒラタヒメグモ属 (クモ目: ヒメグモ科) の
1 新記録種

Abstract One theridiid species, *Steatoda octomaculata* PAIK, 1995 described from Korea, is newly recorded from Japan, and is transferred to the genus *Euryopsis*. Male of this species is described for the first time.

Recently, I obtained some specimens of the genus *Euryopsis* collected by K. NOJIMA from Okayama Prefecture, Japan. As the result of my close examination, they are identical with *Steatoda octomaculata* PAIK, 1995 described from Korea, and this species belongs to the genus *Euryopsis*, not to *Steatoda*. In this paper, this species is recorded as a new member of the Japanese fauna and the male is described for the first time.

The abbreviations used in this paper are as follows: ALE, anterior lateral eye (s); AME, anterior median eye (s); MOA, median ocular area; PLE, posterior lateral eye (s); PME, posterior median eye (s).

I wish to express my sincere thanks to Mr. Koichi NOJIMA, Osaka, for offering valuable specimens for the present study.

Euryopsis octomaculata (PAIK, 1995), comb. nov.
(Figs. 1–5)

Steatoda octomaculata PAIK, 1995, p. 7, figs. 8–13.

Male (based on one male specimen). Total length 2.21 mm. Carapace length 0.97 mm; width 0.89 mm. Abdomen length 1.24 mm; width 1.03 mm. First leg: femur 0.58 mm; patella and tibia 0.68 mm; metatarsus 0.37 mm; tarsus 0.32 mm. Second patella and tibia 0.68 mm; third patella and tibia 0.68 mm; fourth patella and tibia 0.87 mm.

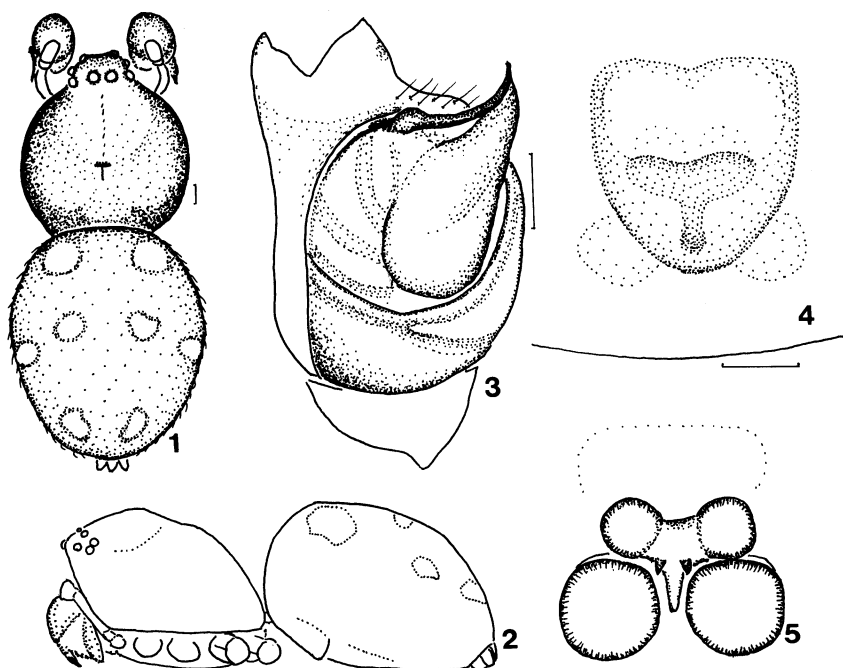
Carapace circular, slightly longer than wide, with eye region elevating and with small T-shaped thoracic groove. AME and ALE larger than PME and PLE (6: 5). AME four-thirds their diameter apart and one-third from ALE. PME six-fifths their diameter apart and one from PLE. ALE and PLE almost touching. Ratio of MOA, anterior width: posterior width: length = 9: 7: 6. Abdomen flattened. Palpal organ as shown in Fig. 3: cymbium with two distal projections; embolus thin and pointed; conductor pointed with large base.

Coloration. Carapace, chelicerae, maxillae, labium and sternum blackish brown.

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Figs. 1-5. *Euryopis octomaculata* (PAIK, 1995)—1, Male, dorsal view; 2, same, lateral view; 3, male palpus, ventral view; 4, epigynum, ventral view; 5, female genitalia, dorsal view. (Scales: 0.1 mm.)

Coxae to femora yellowish brown; femora with distal dusky flecks. Patellae to tarsi brown; distal part of patellae, distal two-thirds of tibiae and distal three-fourths of metatarsi with dusky flecks. Abdomen blackish brown with four pairs of large silver pigments dorsally and a small silver one near the spinnerets.

Female (based on one female specimen). Similar to male, but differs in the following points: Total length 2.47 mm. Carapace length 0.76 mm; width 0.74 mm. Abdomen length 1.71 mm; width 1.45 mm. First leg: femur 0.53 mm; patella and tibia 0.61 mm; metatarsus 0.37 mm; tarsus 0.32 mm. Second patella and tibia 0.61 mm; third patella and tibia 0.61 mm; fourth patella and tibia 0.82 mm.

Carapace oval, slightly longer than wide, without thoracic groove. AME larger than the others (6: 5). PME six-fifths their diameter apart and four-sixths from PLE. Ratio of MOA, anterior width: posterior width: length = 16: 14: 11. Legs with indistinct dusky flecks. Genital organ as shown in Figs. 4-5: epigastric plate sclerotized, dark brown; seminal receptacles two pairs, anterior one small and posterior one large.

Specimens examined. 5 ♂, 1 ♀, 17-VI-1995; 2 ♀, 16-VII-1995, Onbara-kôgen, Kamisaibara-son, Okayama Prefecture, Japan, K. NOJIMA leg.

Distribution. Japan: Honshu (Okayama Prefecture). Korea: Ulleung-do Island.

Remarks. This species was originally described under the genus *Steatoda*, but its two pairs of seminal receptacles in female genitalia and general appearances show that it belongs to *Euryopis*. This species resembles *Euryopis flavomaculata* (C. L. KOCH,

1836), but is distinguished from the latter by the abdomen with four pairs of silver pigments and the structure of genital organ.

Male of this species is described for the first time.

摘 要

韓国鬱陵島から記載されたヒメグモ科の1種 *Steatoda octomaculata* PAIK, 1995 を日本から初めて岡山県上斎原村で記録した。本種の所属を *Euryopis* に移すとともに、雄を初めて記載した。また、和名をヤホシヒラタヒメグモとする。

References

- KOCH, C. L., 1836. Die Arachniden, vol. 3. 120 pp. Nürnberg.
PAIK, K. P., 1995. Korean spiders of the genus *Steatoda* (Araneae: Theridiidae). I. *Korean Arachnol.*, **11**(1): 1-14.